

Applicant : Christopher P. Hondl et al.
Serial No. : 09/880,085
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Attorney's Docket No.: 07844-424001

REMARKS

Attached is a marked-up version of the changes being made by the current amendment.

Applicant asks that all claims be examined. Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: October 17, 2001

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Version with markings to show changes made

In the specification:

Paragraph beginning at page 6, line 5 has been amended as follows:

The process 100 operates by identifying a base color of the current pixel (step 112). The base color may be identified using an error diffusion technique[, which]. In this technique, the base color is [based] dependent on the true color of the current pixel and a dither value of the current pixel, the dither value being a function of error values in the neighboring pixels. An error value of a pixel is a representation of how well a true color of that pixel matches a true color from the color table. Therefore, the dither value takes into account a total error in the color approximations of neighboring pixels. In other words, an error value at a pixel is distributed among other pixels in the image. One example of an error diffusion technique is the Floyd-Steinberg algorithm.

In the claims:

Claim 1 has been amended as follows:

1. A method [of] for compressing an image [defined by pixels, each pixel having a true color, for decompresssion by a selected dictionary-based decompression technique], the method comprising:

receiving [the] an image[;], the image being defined by pixels, each pixel having a true color, for decompresssion by a selected dictionary-based decompression technique;

receiving a color table that defines a mapping from true colors to index color values;

identifying in a compression dictionary a set of zero or more candidate strings for a curent pixel in the image, each candidate string corresponding to a string of pixels in the image, the last pixel of the string corresponding to the corrent pixel, and each candidate string approximately matching the corresponding image string;

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if the set of candidate strings for the current pixel is empty, selecting one of the candidate strings for a previous current pixel, and adding a code for the selected string to a compressed representation of the image.